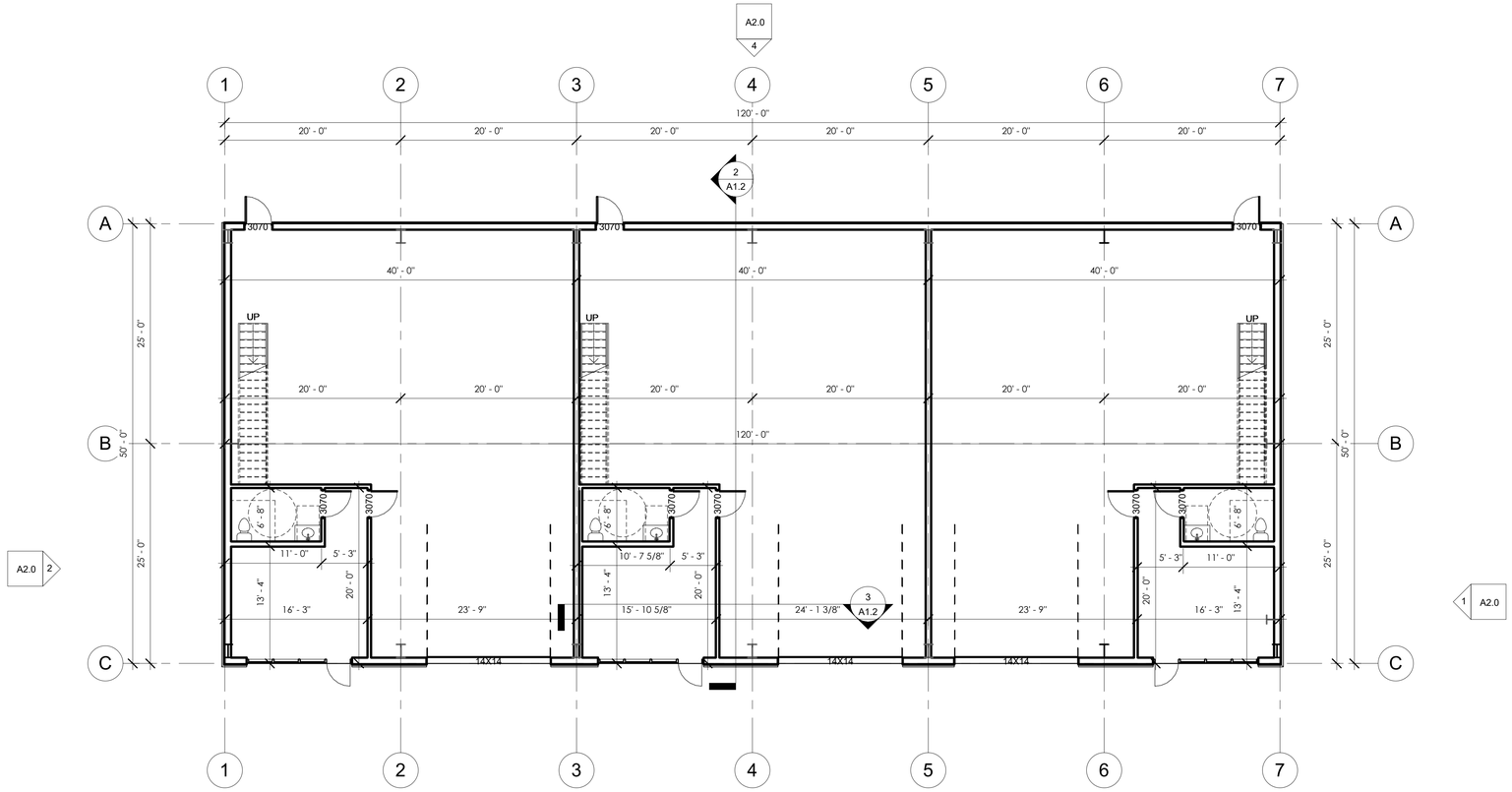
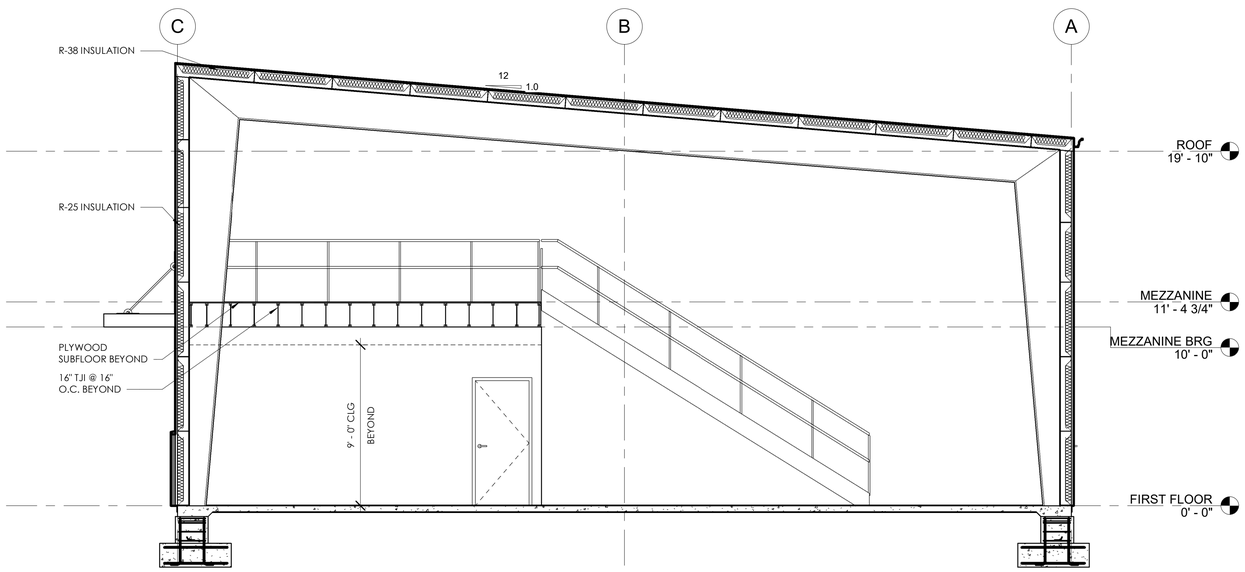
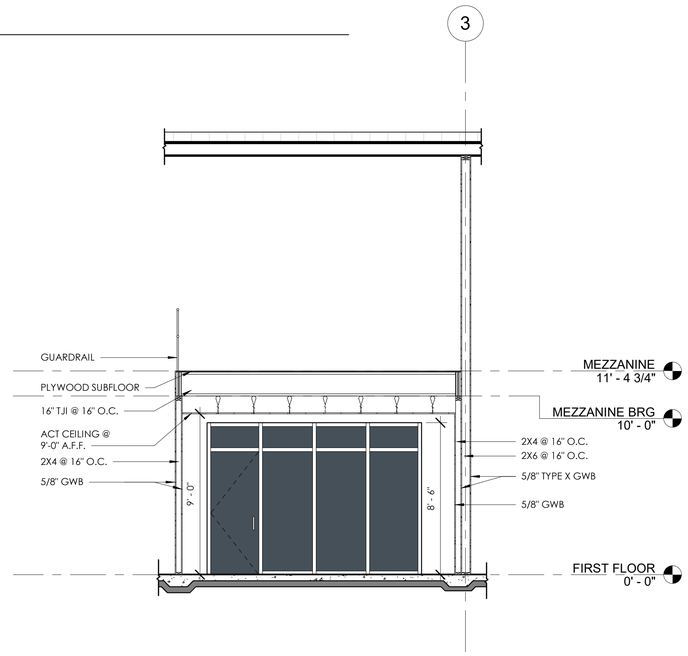


1 FIRST FLOOR PLAN
1/8" = 1'-0"



2 BUILDING SECTION
1/4" = 1'-0"



3 SECTION @ MEZZANINE
1/4" = 1'-0"

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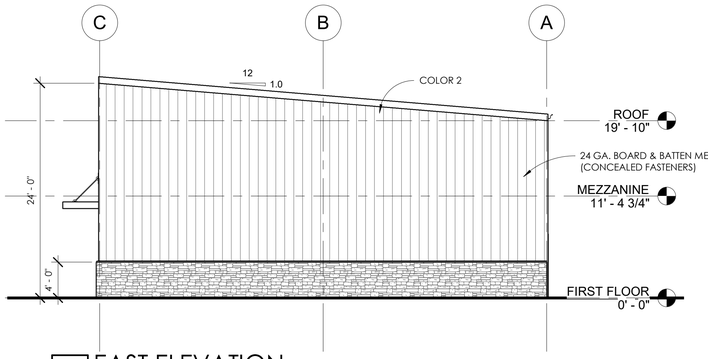
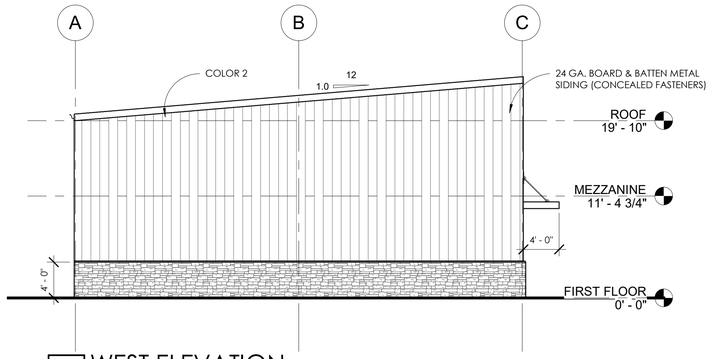
PROJECT NUMBER: XXXX-XX
DRAWN BY: LRL
CHECKED BY: KTP

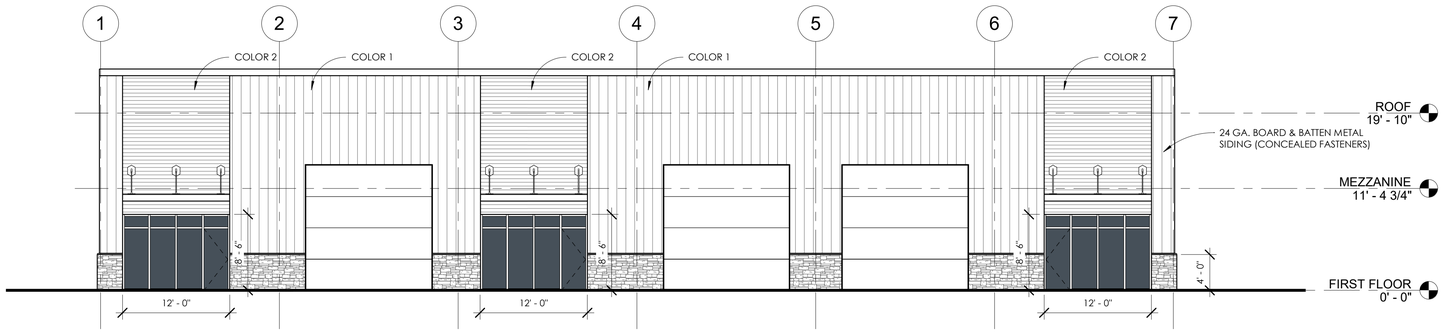
SHEET TITLE: FIRST FLOOR PLAN
SHEET NUMBER: **A1.2**
ARCHITECTURAL
FOR CONSTRUCTION



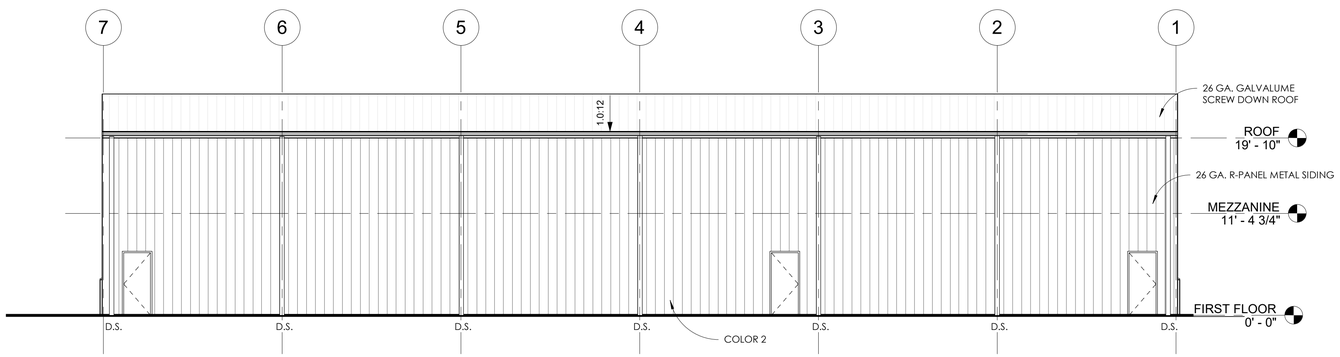
1 EAST ELEVATION
1/8" = 1'-0"



2 WEST ELEVATION
1/8" = 1'-0"



3 SOUTH ELEVATION
1/8" = 1'-0"



4 NORTH ELEVATION
1/8" = 1'-0"

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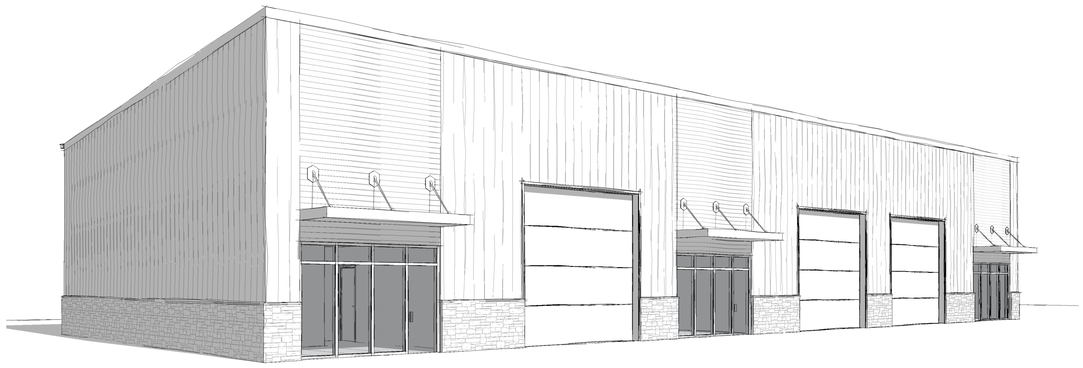
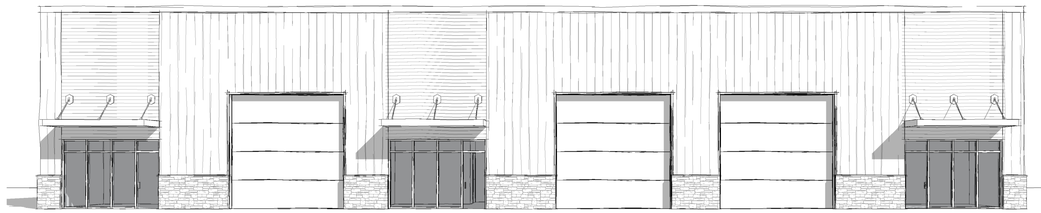
DRAWN BY: LRL
CHECKED BY: KTP

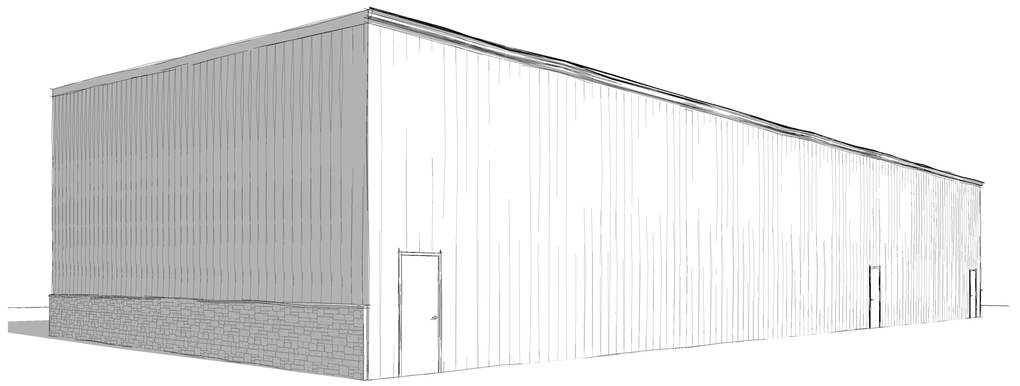
SHEET TITLE: EXTERIOR ELEVATIONS

SHEET NUMBER: **A2.0**
ARCHITECTURAL

FOR CONSTRUCTION







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CHECKED BY: KTP

SHEET TITLE: 3D VIEWS

SHEET NUMBER: **A8.0**

ARCHITECTURAL

FOR CONSTRUCTION

FOUNDATION NOTES

1. THE FINISHED FLOOR ELEVATION SHALL BE 395.10' UNLESS NOTED OTHERWISE.
2. PROVIDE CONTROL JOINTS (AND CONSTRUCTION JOINTS IF NEEDED) IN THE SLAB-ON-GRADE PER THE TYP. SLAB-ON-GRADE JOINT CONSTRUCTION DETAIL. CONTROL JOINTS SHALL BE LOCATED AT COLUMN CENTERLINES AND SPACED AT 12'-0" MAXIMUM IN BETWEEN.
3. THE FOOTINGS HAVE BEEN DESIGNED FOR A NET ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF. THE BEARING STRATUM OF ALL FOOTINGS SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO POURING CONCRETE.
4. THE INFORMATION INCLUDED IN THE GEOTECHNICAL EXPLORATION REPORT MAY BE USED BY THE CONTRACTOR FOR HIS GENERAL INFORMATION ONLY. THE ARCHITECT AND STRUCTURAL ENGINEER WILL NOT BE RESPONSIBLE FOR THE ACCURACY OR APPLICABILITY OF SUCH DATA THEREIN.
5. FOR INFORMATION ON SOIL CONDITION AND SPECIAL SOIL CONDITIONS ON EXCAVATION, FILLING, AND BACKFILLING SEE THE GEOTECHNICAL EXPLORATION REPORT. FOR CONDITIONS WHERE ENGINEERED FILL IS REQUIRED, PLACEMENT AND COMPACTION SHALL BE OVERSEEN BY THE TESTING LABORATORY.
6. PLACE FOOTINGS IN THE SAME DAY EXCAVATIONS ARE OPENED. IF THIS IS NOT POSSIBLE, ADEQUATELY PROTECT THE EXPOSED MATERIAL IN THE BASES OF THE FOOTING EXCAVATIONS FROM ANY DETRIMENTAL CHANGE IN CONDITION SUCH AS DISTURBANCE FROM RAIN OR FREEZING. PREVENT SURFACE RUNOFF FROM ENTERING EXCAVATIONS.
7. MECHANICAL OPENINGS THROUGH CONCRETE WALLS & SLABS LARGER THAN 8 INCHES IN DIAMETER, NOT SHOWN ON THE STRUCTURAL DRAWINGS, MUST BE APPROVED BY THE ENGINEER. OPENINGS 8 INCHES IN DIAMETER OR LESS SHALL HAVE AT LEAST 1 FOOT CLEAR BETWEEN OPENINGS UNLESS APPROVED BY THE ENGINEER. COORDINATE THE INSTALLATION OF SLEEVES WITH THE CONSTRUCTION OF FORMWORK & INSTALLATION OF REINFORCING STEEL.
8. ALL COLUMN PIERS SHALL BE CENTERED BENEATH COLUMNS AND POURED MONOLITHICALLY WITH THE FOUNDATION WALLS, UNLESS NOTED OTHERWISE.
9. ALL SPREAD FOOTINGS SHALL BE CENTERED BENEATH THE COLUMNS. ALL CONTINUOUS WALL FOOTINGS SHALL BE CENTERED BENEATH THE WALLS.
10. ALL REINFORCEMENT ANCHORAGES AND LAP SPLICES SHALL MEET THE REQUIREMENTS OF ACI 318-14.
11. FIELD BENDING OF REINFORCEMENT IS PROHIBITED.
12. FOUNDATION WALL REINFORCEMENT SHALL BE CONTINUOUS THRU COLUMN PIERS. WALL FOOTING REINFORCEMENT SHALL BE CONTINUOUS THRU SPREAD FOOTINGS. PROVIDE CORNER BARS FOR ALL FOUNDATION WALLS AND WALL FOOTINGS.
13. ALL VERTICAL REINFORCEMENT DOWELS IN WALLS AND PIERS SHALL BE TIED TO THE BOTTOM REINFORCEMENT MAT OF THE FOOTINGS. "FLOATING" THE DOWELS INTO PLACE DURING CONCRETE PLACEMENT WILL NOT BE PERMITTED.
14. PROVIDE ROUGHENED SURFACE WITH 1/4" AMPLITUDE, MIN., ON JOINT SURFACE FROM FOOTING TO PIER AND JOINT SURFACE FROM PIER TO SLAB.

MATERIAL SPECIFICATIONS

CAST-IN-PLACE CONCRETE: (SHALL CONFORM TO THE SPECIFICATIONS FOR STRUCTURAL CONCRETE, ACI 301)
- 4,000 PSI - 28 DAY COMPRESSIVE STRENGTH
- 0.50 MAXIMUM WATER/CEMENT RATIO
- 4 INCH SLUMP, PLUS OR MINUS 1 INCH
- 3% MAXIMUM AIR CONTENT FOR FLOOR SLAB

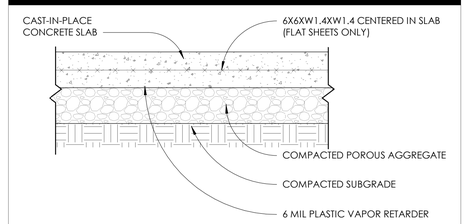
REINFORCING STEEL:
- ASTM A615, GRADE 60, DEFORMED

ANCHOR BOLT SUMMARY

DIA	PROJECTION ABOVE SLAB	EMBEDMENT IN SLAB
1/2"	1.5"	12"
5/8"	2"	12"
3/4"	2.5"	16"
7/8"	3.5"	18"
1"	3.5"	20"
1 1/4"	3.5"	22"

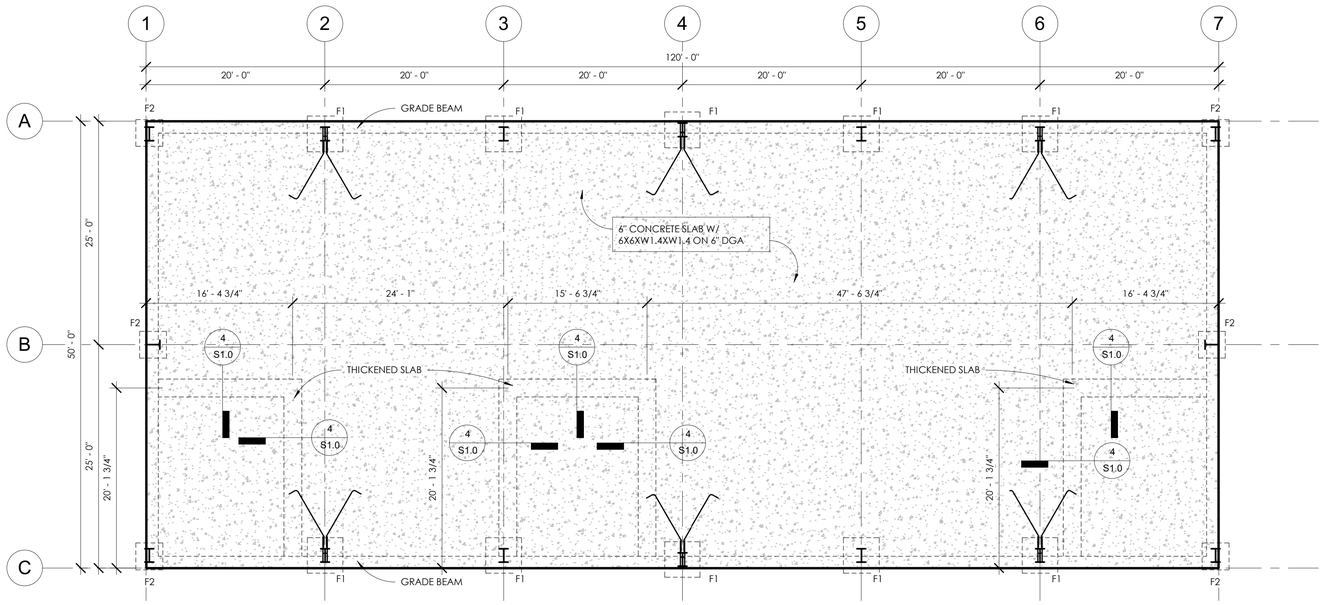
SEE PEMB SHOP DRAWINGS FROM SUPPLIER FOR MORE INFORMATION

FLOOR SLAB CONSTRUCTION

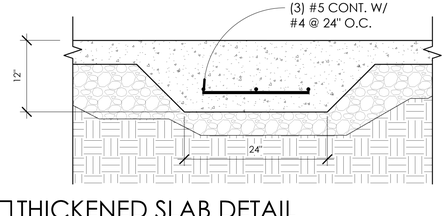


GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE PLANS AND FOR COORDINATING ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS WITH THOSE SHOWN ON THE ARCHITECTURAL AND MECHANICAL DRAWINGS. IF ERRORS OR DISCREPANCIES OCCUR, THE CONTRACTOR SHALL REPORT THE DISCREPANCIES TO THE ARCHITECT / ENGINEER BEFORE PROCEEDING WITH ANY WORK.
2. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE, AND, EXCEPT WHERE SPECIFICALLY SHOWN, DO NOT INDICATE THE METHOD OR MEANS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS PROCEDURES, TECHNIQUES AND SEQUENCE.
3. PERIODIC SITE OBSERVATION BY THE STRUCTURAL ENGINEER IS SOLELY FOR THE PURPOSE OF DETERMINING IF THE WORK OF THE CONTRACTOR IS PROCEEDING IN ACCORDANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS. THE LIMITED SITE OBSERVATION SHOULD NOT BE CONSTRUED AS EXHAUSTIVE OR CONTINUOUS TO CHECK THE QUALITY OR QUANTITY OF THE WORK, BUT RATHER PERIODIC IN AN EFFORT TO GUARD THE OWNER AGAINST DEFECTS OR DEFICIENCIES IN THE WORK OF THE CONTRACTOR.
4. DETAILS LABELED "TYPICAL DETAIL" ON THE DRAWINGS SHALL APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED. SUCH DETAILS SHALL APPLY WHETHER OR NOT THEY ARE KEYED IN AT EACH LOCATION. TYPICAL DETAILS ARE NOT DRAWN TO SCALE, UNLESS NOTED OTHERWISE, AND SHALL NOT BE SCALED FOR ESTIMATING, FABRICATION, OR CONSTRUCTION PURPOSES. QUESTIONS REGARDING APPLICABILITY OF TYPICAL DETAILS SHALL BE DETERMINED BY THE ENGINEER.
5. THE DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS AND MAGNETIC MEDIA (PLANS) PREPARED BY ARCHIOLOGY (ENGINEER) FOR THIS PROJECT ARE INSTRUMENTS OF THE ENGINEER'S SERVICE, AND MAY BE USED SOLELY WITH RESPECT TO THIS PROJECT AND, UNLESS OTHERWISE PROVIDED, THE ENGINEER SHALL BE DEEMED THE AUTHOR OF THESE PLANS AND RETAIN ALL COMMON LAW RIGHTS, TITLES AND INTEREST THEREIN. THE OWNER SHALL BE PERMITTED TO RETAIN COPIES, INCLUDING REPRODUCIBLE COPIES, OF THE ENGINEER'S DRAWINGS, SPECIFICATIONS, OTHER DOCUMENTS AND MAGNETIC MEDIA FOR INFORMATION & REFERENCE IN CONNECTION WITH THE OWNER'S USE AND OCCUPANCY OF THE PROJECT. THE ENGINEER'S DRAWINGS, SPECIFICATIONS, OTHER DOCUMENTS AND MAGNETIC MEDIA SHALL NOT BE USED BY THE OWNER OR OTHERS ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT OR FOR COMPLETION OF THE PROJECT BY OTHERS, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION, WAIVER OF CLAIMS AND INDEMNITY TO THE ENGINEER. ARCHIOLOGY SHALL NOT BE LIABLE FOR ANY HARM OR DAMAGE SUFFERED BY ANY PARTY BY REASON OF THE UNAUTHORIZED USE OF THESE PLANS. ARCHIOLOGY EXPRESSLY RESERVES IT'S COPYRIGHTS IN THESE PLANS. THESE PLANS MAY NOT BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, INCLUDING SHOP DRAWINGS, NOR MAY THEY BE ASSIGNED OR OTHERWISE MADE AVAILABLE TO ANY THIRD PARTY WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN CONSENT OF ARCHIOLOGY.



1 FOUNDATION
1/8" = 1'-0"



4 THICKENED SLAB DETAIL
1" = 1'-0"

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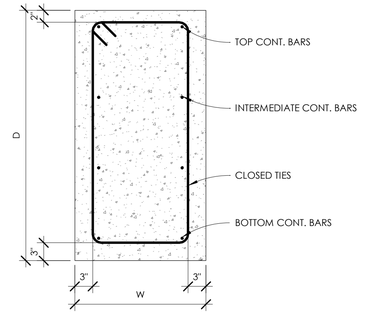
SHEET TITLE: FOUNDATION PLAN
SHEET NUMBER: **S1.0**
STRUCTURAL

FOR CONSTRUCTION

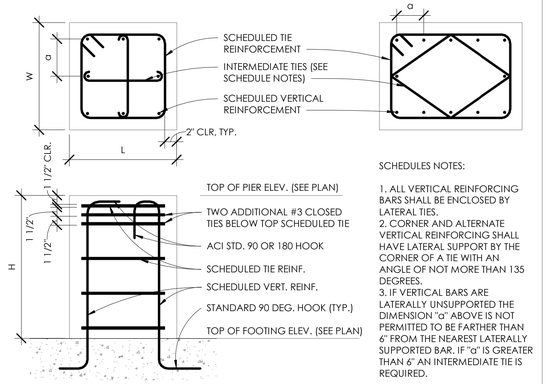
GRADE BEAM (GB) SCHEDULE



CROSS SECTION VIEW

MARK	SIZE		REINFORCEMENT				REMARKS
	W (in.)	D (in.)	TOP	BOTT.	INTERMEDIATE	TIES	
GB1	16"	18"	(2) - #4	(2) - #4	(4) - #4	#4 @ 24" O.C.	N/A

PIER (P) SCHEDULE

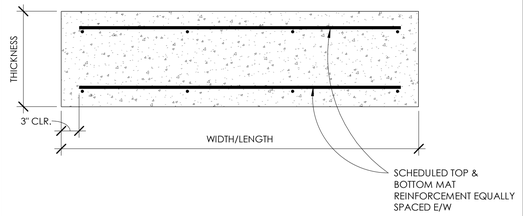


SCHEDULES NOTES:

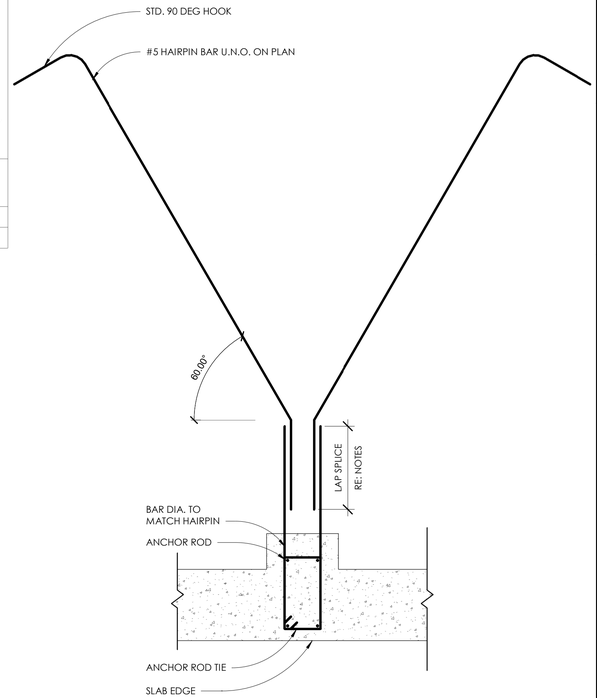
1. ALL VERTICAL REINFORCING BARS SHALL BE ENCLOSED BY LATERAL TIES.
2. CORNER AND ALTERNATE VERTICAL REINFORCING SHALL HAVE LATERAL SUPPORT BY THE CORNER OF A TIE WITH AN ANGLE OF NOT MORE THAN 135 DEGREES.
3. IF VERTICAL BARS ARE LATERALLY UNSUPPORTED THE DIMENSION "a" ABOVE IS NOT PERMITTED TO BE FARTHER THAN 6" FROM THE NEAREST LATERALLY SUPPORTED BAR. IF "a" IS GREATER THAN 6" AN INTERMEDIATE TIE IS REQUIRED.

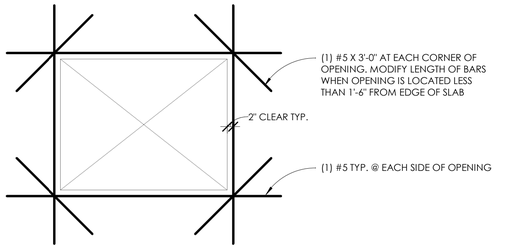
MARK	SIZE			REINFORCEMENT		REMARKS
	W (in.)	L (in.)	H (in.)	VERTICAL	HORIZONTAL	
P1	24"	24"	16 3/4"	(8) #5 BARS	#4 @ 8" O.C.	INTERMED. TIES @ 8" O.C.

COLUMN FOOTING (F) SCHEDULE

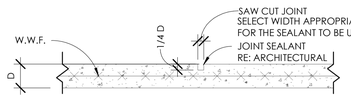


MARK	SIZE			REINFORCEMENT	REMARKS
	T (in.)	W (in.)	L (in.)		
F1	16"	48"	48"	(4) #5 E/W BOTTOM	
F2	16"	36"	36"	(3) #5 E/W BOTTOM	



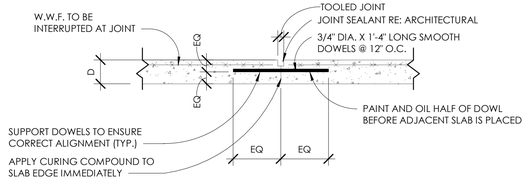


1 OPENING REINFORCEMENT
1/2" = 1'-0"



NOTE: REFER TO SPECIFICATION FOR PROCEDURE & TIMING OF JOINT CUTTING.

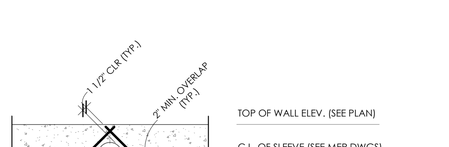
CONTROL JOINT



NOTE: GROUND FLOOR SLABS SHALL BE PLACED BY THE ALTERNATING STRIP-CAST METHOD. A MINIMUM OF FIVE DAYS SHALL ELAPSE PRIOR TO PLACEMENT OF ADJACENT CONCRETE STRIPS.

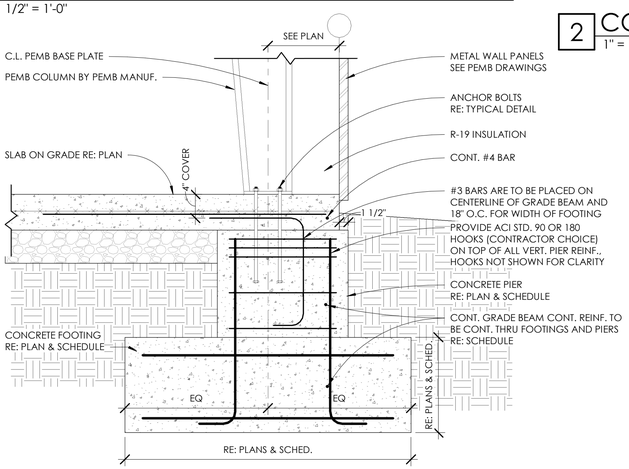
CONSTRUCTION JOINT

2 CONTROL/CONSTRUCTION JOINT
1" = 1'-0"

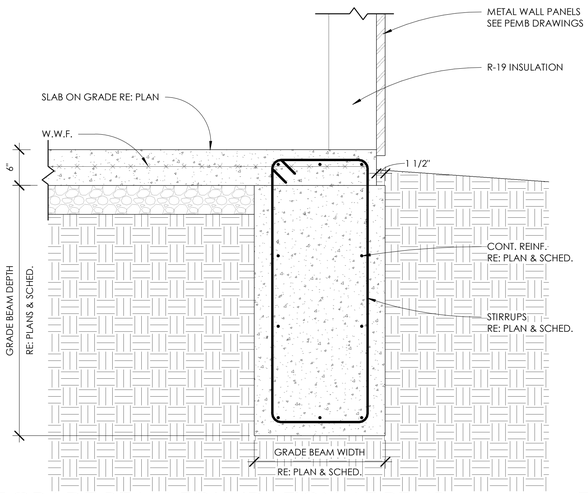


3 PENETRATION REINFORCEMENT DETAIL
1/2" = 1'-0"

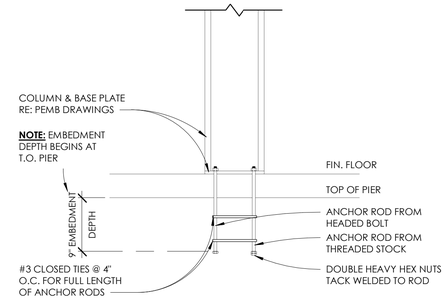
7 HAIRPIN DETAIL
1" = 1'-0"



4 COLUMN FOUNDATION @ PEMB
1" = 1'-0"



5 GRADE BEAM FOUNDATION AT PEMB
1" = 1'-0"



NOTES:
1. HEADED BOLT OR THREADED STOCK MATERIAL MAY BE USED FOR ANCHOR RODS
2. ALL ANCHOR RODS SHALL BE ASTM F1554, GRADE 36, WELDABLE RODS
3. EMBEDMENT DEPTH BEGINS AT THE T.O. PIER, NOT T.O. SLAB
4. IF PEMB MFR. PROVIDES HOLES IN BASE PLATE LARGER THAN STANDARD SIZE, PROVIDE 1/8" WELD (MIN.) ALL AROUND WASHER. VERIFY WASHERS ARE WELDABLE WITH PEMB. MFR.

6 COLUMN ANCHOR ROD REQUIREMENTS
1" = 1'-0"

REINF. SPLICE LENGTHS

BAR SIZE	BAR DIA (in.)	3 BAR DIA (in.)	SPLICE LENGTH	
			TOP BARS	OTHER BARS
#3	0.375	1.125	24	19
#4	0.5	1.500	32	25
#5	0.625	1.875	40	31
#6	0.75	2.250	48	37
#7	0.875	2.625	70	54
#8	1.000	3.000	80	62
#9	1.125	3.375	91	70
#10	1.250	3.750	102	79
#11	1.375	4.125	113	87

NOTES:
1. TABULATED VALUES ARE BASED ON GRADE 60 REINFORCING BARS AND 4,000 PSI NORMAL WEIGHT CONCRETE. LENGTHS ARE IN INCHES.
2. TABULATED VALUES SHALL ONLY BE USED FOR INSTANCES WHERE THE CONCRETE COVER IS AT LEAST 1.0 BAR DIAMETER AND THE CENTER TO CENTER SPACING OF THE BARS IS AT LEAST 3.0 BAR DIAMETERS. CONTACT THE ENGINEER FOR LAP SPLICE LENGTHS FOR BARS WITH LESS COVER OR SPACINGS.
3. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 IN. OF CONCRETE CAST BELOW THE BARS.
4. FOR LIGHTWEIGHT AGGREGATE CONCRETE, MULTIPLY THE TABULATED VALUES BY 1.33.
5. WHERE BARS OF DIFFERENT SIZES ARE TO BE SPLICED, THE SPLICE LENGTH FOR ALL BARS SHALL BE THAT REQUIRED FOR THE LARGEST BAR SIZE.

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DATE: 8/2/2026
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CHECKED BY: KTP

SHEET TITLE: FOUNDATION DETAILS

SHEET NUMBER: **S4.0**

STRUCTURAL

FOR CONSTRUCTION